



GLAST

The Gamma-ray Large Area Space Telescope

Mission Status

S. Ritz



Fermi

Gamma-ray Space Telescope

Mission Status

S. Ritz



Early Morning, 11 June 2008



Launch!

- **Launch from Cape Canaveral Air Station 11 June 2008 at 12:05PM EDT**
- **Circular orbit, 565 km altitude (96 min period), 25.6 deg inclination.**



A moment later...



And then...



Events

- 60-day checkout period went extremely well in all respects. No major outstanding issues.
- One 4-minute anomalous event on 31 July caused a LAT turn-off
 - cause very likely understood, mitigations put into place. reactivation was very quick.
- Science operations officially started 14 August
 - nominal mission is now 2% complete :-)
 - we've come a long way since our last meeting!
- Flight Operations Team doing a spectacular job
- 2nd LAT FSW update, GBM FSW patch upcoming. Several S/C FSW patches (GPS patch successful), including SSR rewind patch last week.
- In sky survey, as planned. Autonomous repoints will start in October, pending LAT & GBM FSW uploads and additional algorithm tuning.
- FSSC now releasing LAT ASP results and GBM data

Additional Topics

- **Reaction Wheel Assembly (RWA) update**
- **Rick Harnden, the Fermi Program Scientist at NASA HQ, will be stepping down in October. Many thanks to him for years of help ... and welcome Ilana Harrus!**
- **Conjunction Assessment and Prop system**
- **A time of transitions**
 - **most project people have moved on (but we know where they are!). Some are at a reduced level through December.**
 - **Others (including Systems personnel) staying on ~full-time to help through December.**
 - **Sustaining Engineering work will continue through the mission.**
 - **Kevin Grady, Al Vernacchio tying up loose ends, available as needed**
 - **Mission Director is Bob Sodano**
 - **Mission operations processes are in place**
 - **Observatory handover complete. Many thanks to our GD colleagues!**
 - **Mission-level public affairs coordination moving to Science Directorate: Frank Reddy (many thanks to Rob Gutro!). Lynn Cominsky (SSU, LAT collaborator, E/PO lead) continues science press functions.**

Fellowships

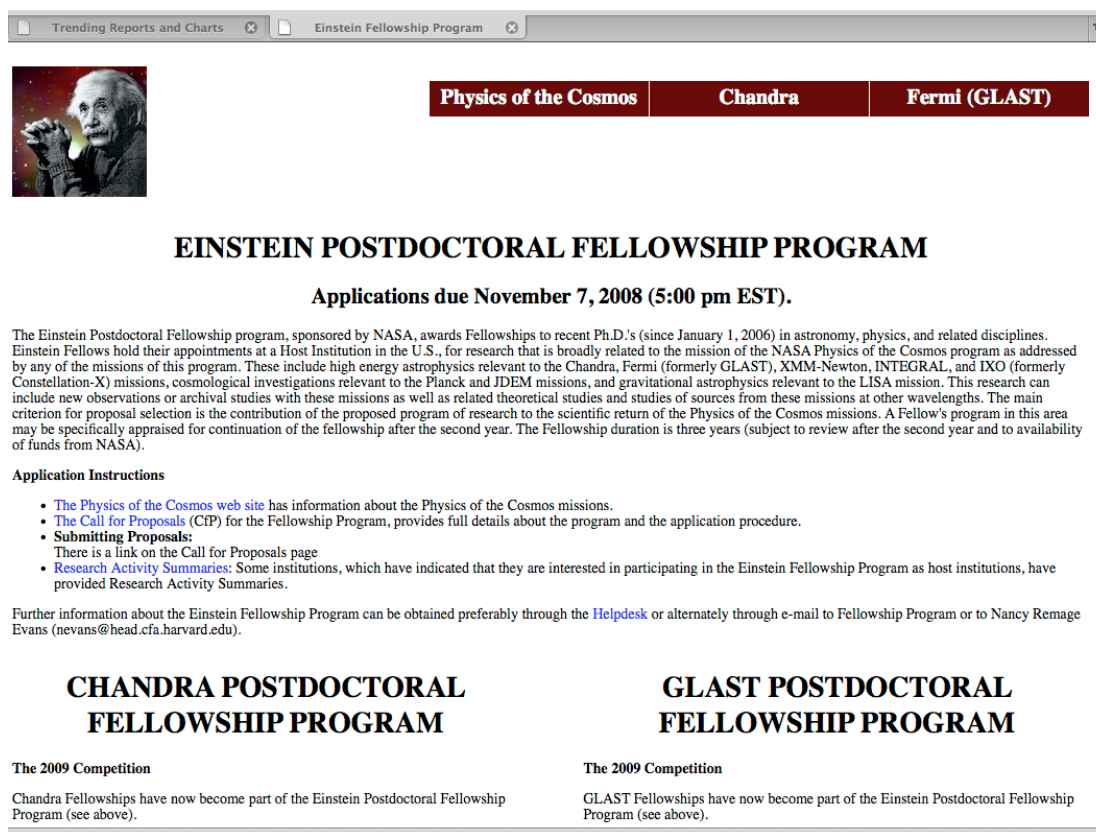
- **NASA HQ recently decided to consolidate individual mission Fellowships. Fermi+Chandra programs are merged to Einstein Fellowships, administered by CXC at CfA.**

• Charter Fellows have now started:

- » Nathaniel R. Butler (Berkeley)
- » Vasiliki Pavlidou (Caltech)
- » Uri Keshet (Harvard)

• Telecon with Don and Peter and Chip and Josh + Project Science personnel on 27 August

• **Please give input now on peer panel suggestions!**



The screenshot shows the Einstein Fellowship Program website. At the top, there are tabs for "Physics of the Cosmos", "Chandra", and "Fermi (GLAST)". Below the tabs is a portrait of Albert Einstein. The main heading is "EINSTEIN POSTDOCTORAL FELLOWSHIP PROGRAM". Below this, it says "Applications due November 7, 2008 (5:00 pm EST)". A paragraph of text describes the program, mentioning that it is sponsored by NASA and awards Fellowships to recent Ph.D.'s in astronomy, physics, and related disciplines. Below this, there is a section titled "Application Instructions" with bullet points: "The Physics of the Cosmos web site has information about the Physics of the Cosmos missions.", "The Call for Proposals (CFP) for the Fellowship Program, provides full details about the program and the application procedure.", "Submitting Proposals: There is a link on the Call for Proposals page", and "Research Activity Summaries: Some institutions, which have indicated that they are interested in participating in the Einstein Fellowship Program as host institutions, have provided Research Activity Summaries." Below this, there is a section titled "CHANDRA POSTDOCTORAL FELLOWSHIP PROGRAM" and "GLAST POSTDOCTORAL FELLOWSHIP PROGRAM". At the bottom, there are two sections: "The 2009 Competition" for Chandra and "The 2009 Competition" for GLAST, both stating that they have now become part of the Einstein Postdoctoral Fellowship Program.

Trending Reports and Charts Einstein Fellowship Program

Physics of the Cosmos Chandra Fermi (GLAST)

EINSTEIN POSTDOCTORAL FELLOWSHIP PROGRAM

Applications due November 7, 2008 (5:00 pm EST).

The Einstein Postdoctoral Fellowship program, sponsored by NASA, awards Fellowships to recent Ph.D.'s (since January 1, 2006) in astronomy, physics, and related disciplines. Einstein Fellows hold their appointments at a Host Institution in the U.S., for research that is broadly related to the mission of the NASA Physics of the Cosmos program as addressed by any of the missions of this program. These include high energy astrophysics relevant to the Chandra, Fermi (formerly GLAST), XMM-Newton, INTEGRAL, and IXO (formerly Constellation-X) missions, cosmological investigations relevant to the Planck and JDEM missions, and gravitational astrophysics relevant to the LISA mission. This research can include new observations or archival studies with these missions as well as related theoretical studies and studies of sources from these missions at other wavelengths. The main criterion for proposal selection is the contribution of the proposed program of research to the scientific return of the Physics of the Cosmos missions. A Fellow's program in this area may be specifically appraised for continuation of the fellowship after the second year. The Fellowship duration is three years (subject to review after the second year and to availability of funds from NASA).

Application Instructions

- The Physics of the Cosmos web site has information about the Physics of the Cosmos missions.
- The Call for Proposals (CFP) for the Fellowship Program, provides full details about the program and the application procedure.
- **Submitting Proposals:** There is a link on the Call for Proposals page
- **Research Activity Summaries:** Some institutions, which have indicated that they are interested in participating in the Einstein Fellowship Program as host institutions, have provided Research Activity Summaries.

Further information about the Einstein Fellowship Program can be obtained preferably through the [Helpdesk](#) or alternately through e-mail to Fellowship Program or to Nancy Remage Evans (nevans@head.cfa.harvard.edu).

CHANDRA POSTDOCTORAL FELLOWSHIP PROGRAM

GLAST POSTDOCTORAL FELLOWSHIP PROGRAM

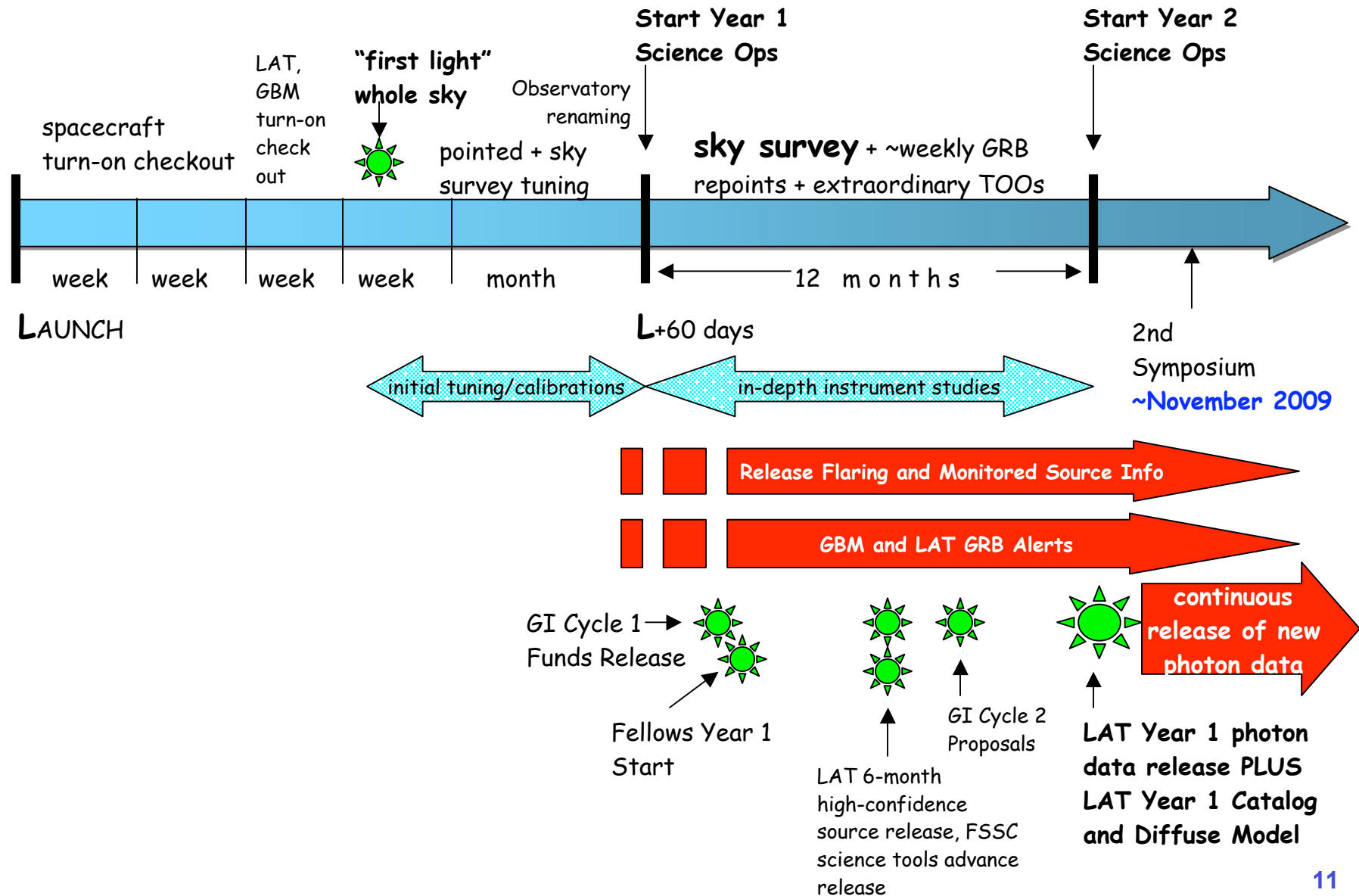
The 2009 Competition

Chandra Fellowships have now become part of the Einstein Postdoctoral Fellowship Program (see above).

The 2009 Competition

GLAST Fellowships have now become part of the Einstein Postdoctoral Fellowship Program (see above).

Year 1 Science Operations Timeline Overview



Questions?
